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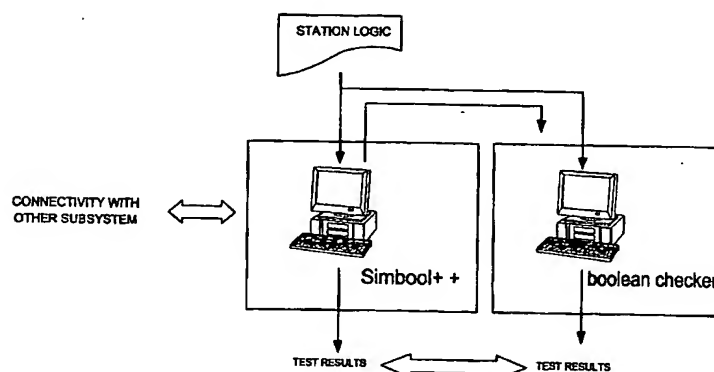
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(54) Title: **DEVICE AND METHOD FOR CHECKING RAILWAY LOGICAL SOFTWARE ENGINES FOR COMMANDING PLANTS, PARTICULARLY STATION PLANTS**



(57) Abstract: Method and device for checking logical software engines for commanding railway plants, particularly station plants, comprising at least a computer with at least a central processing unit and at least a memory for loading and executing programs: a logical engine for commanding a plant, particularly a station plant, being loaded or loadable in said memory for its execution, which plant comprises a plurality of operating units for actuating and/or detection and/or measurement and/or signalling, so-called wayside equipments, which units are provided for receiving command signals and for transmitting control signals about the operating condition, and which logical software engine reads control signals given by the operating units for actuating and/or detection and/or measurement and/or signalling and its processes command signals of said operating units basing on an operation protocol of the plant itself. According to the invention, in the computer memory is loaded or loadable and is executable by the computer itself a software simulation program of the plant that must be controlled and commanded by the control and command logical program and which simulation program reproduces faithfully the plant structure and the operating modes of the operating units provided in said plant.

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